ENCORE ELECTRONICS

ENXTV-X3

External TV Tuner HD

User Manual

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Chapter1: Introduction

The ENXTV-X3 is an excellent solution in combining a computer and a TV system without the need for a screw driver or software driver. Enhance your computer to a home theater quality system adding an HDTV resolution receiver, just plug in cables and power adapter, and you will experience high resolution TV programs.

The ENXTV-X3 provides high quality, high resolution of up to1920x1200. Watch your favorite TV program in HDTV resolution while using your computer at the same time or watch your favorite TV program in HDTV resolution even when your computer is turned-off.

1.1 Features

- Use of digital frequency multiple technology. Supports 8 resolution modes, up to 1920 x 1200
- Pure Plug-and-Play: no driver or software needed
- 3D Motion adaptive de-interlace, digital image enhancement and digital noise reduction technology bring you clearer and sharper image
- Full TV channel supplement: suitable to receive signals via either wire or wireless connection, compatible to PAL/NTSC
- Supports PAL, NTSC TV standard, with VIDEO, S-VIDEO and YPbPr input for easy connection of video camera, DVD, TV game player, etc
- Supports multi-channel display (TV wall) to preview all channels conveniently
- High quality of video transmission via YPbPr input
- PC-Free Mode: watch TV programs or play console games without turning on your PC
- Watch PC and TV on the same screen
- Full Function Remote Control

1.2 System Requirements

- LCD, CRT or other types of monitors/projectors with PC VGA (D-sub) input.
- A computer is necessary when in PIP mode. No specific PC system required.
- Video source (broadcast TV, cable TV, PC, DVD Player, camcorder, game console, etc.)

1.3 Specifications

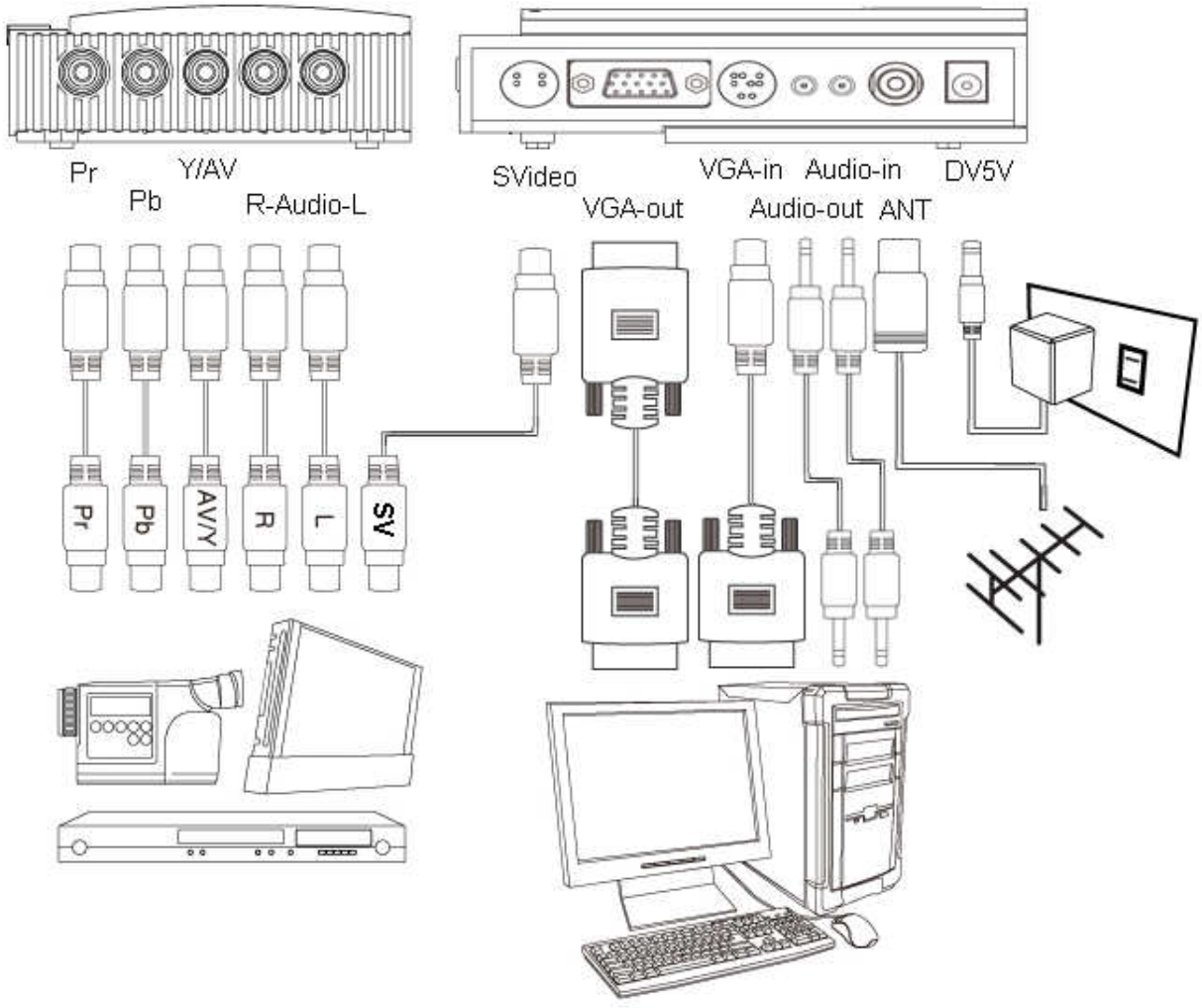
TV format	NTSC, PAL, SECAM
Resolution	Output video mode: 4:3 (800x600, 1024x768, 1280x1024, 1400x1050) Output video mode: 16:10 (1440x900, 1680x1050, 1920x1200) Output video mode: 16:9 (1920x1080)
TV input	75 Ohm impedance, F or PH type
Video input	RCA Video in, S-Video in and YPbPr in
Audio input	RCA L/R, 3.5mm connector (for PC use)
Audio output	3.5mm connector
RGB output	D-SUB 15 Pin
Environmental:	Operating Temperature:0℃~40 ℃ Storage Temperature: -5℃~50℃ Operating Humidity: 0%~80% RH, non-condensing
Certification	CE, FCC, RoHS

1.4 Package Contents

- ENXTV-X3 External TV Tuner HD
- Remote control
- Power adaptor
- VGA-In Loop Back cable (for PIP mode)
- 3.5 mm Stereo Audio cable
- User manual
- Batteries(optional)

Chapter 2: Getting Started

ENXTV-X3 cable connection is easy. The most typical cable connections are shown in the picture diagram below. Do not connect the power cable before you connect these cables.



	If the speaker cable is connected to the computer's sound card, the audio will not work. The audio speaker cable should be connected to the ENXTV-X3 Audio-Out port when you are watching the TV without turned on the computer.

2.1 Rear panel connectors

CONNECTOR	TYPE	DESCRIPTION
DC In	5mm, INT+, EXT-	AC adapter, power in (5V, 1 A)
RF	TV antenna connector	TV or CATV signal-in connector
Audio In	3.5mm stereo connector	Audio In connects to PC sound system (Speaker out of sound card).
Audio Out	3.5mm stereo connector	Audio out connects to the speaker.
VGA In	8 pin Mini DIN connector	VGA-In loop back cable. The other end of this cable connects to the PC's VGA D-sub 15 pin connector.
VGA Out	15 pin D-Sub connector	ENXTV-X3 main video output. Connects to CRT/LCD Monitor
S-Video In	4 Pin Mini Din	S-VHS type external video input source. Can be used for DVD, VCR or Camcorder

2.2 Right Side Panel Port Connectors

CONNECTOR	TYPE	DESCRIPTION
Audio In (L/R)	RCA Audio jack	RCA audio jack used for external audio input source.
Video In	RCA Jack	External composite video input source, can be connected to DVD, VCR or Camcorder.
YPbPr In	RCA Jack	External component video input source, can be connected to DVD, VCR or Camcorder.

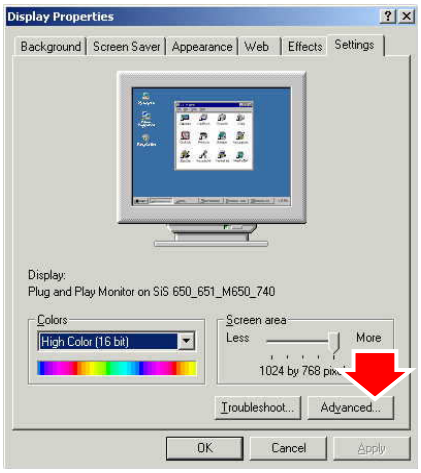
Chapter 3: Using the ENXTV-X3

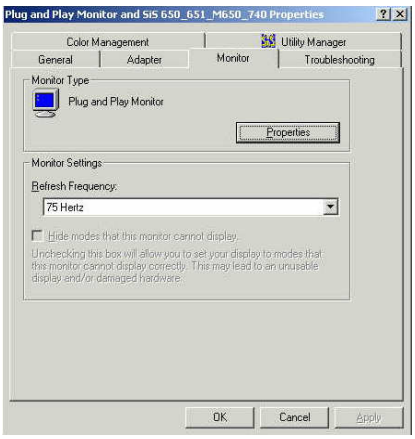
3.1 PC side VGA resolution setting

ENXTV-X3 can be used independent of PC system for a full screen display. In addition to the full screen display, when it is connected in conjunction with the computer system, the PIP sub video window can also be displayed at the top of PC monitor screen to let the user watch TV while using the computer at the same time, or just enjoy full screen TV viewing.

When the ENXTV-X3 is used as a standalone TV box (computer is turned off), it is completely independent with the computer's VGA or monitor screen settings. Resolution and other adjustments depend on the monitor or the ENXTV-X3 settings.

While in PIP mode (computer is turned on and in PIP mode), in order to have the optimized resolution and performance, we recommend setting the computer VGA in WUXGA mode (1920x1080 or 1920x1200@60Hz) and monitor's refresh rate at 60Hz. See the illustration computer VGA settings below.





1. Under Windows systems, the VGA resolution setting page can be invoked by a right click on the mouse when it is pointed at an empty desktop area.
2. When the "Display properties" page is shown, select the recommended value 1920x1080 or 1920x1200.
3. Click on the "Advanced" button, to select the monitor refresh rate, the recommended value is 60Hz
4. Click on OK to close the property page.
5. Windows system will change the display mode to your setting and ask whether to use this display mode or not, please click on OK to confirm the setting.

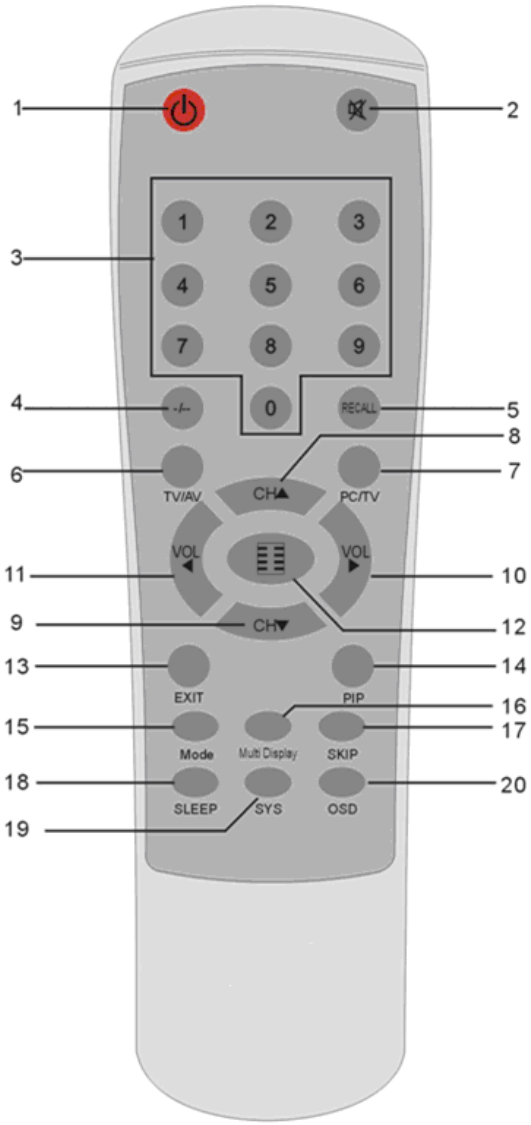
Chapter 4: Using the Remote Control

The included infrared remote control allows you to operate ENXTV-X3 remotely, such as turning your TV on/off, changing channels, adjusting volume, etc. Aim the front of the remote control at the remote control receiver and press the control buttons as you would on the infrared receiver.

4.1 Installing Batteries

Open the back cover of remote controller and put in two pieces of AAA batteries (alkaline battery recommended).

4.2 Remote controller functions



1. Power: power on/off control.

2. MUTE: Volume mute or resume.

3. Numbers: Program number select

4. - / --: To choose Single or Double digits channel entry format.

5. RECALL: Return to the previous channel last viewed.

6. TV/AV: Source select.

7. PC/TV: Switch to select PIP PC mode or full screen TV mode.

8. CH+: Channel Up.

9. CH-: Channel Down.

10. VOL+: Volume Up.

11. VOL-: Volume Down.

12. MENU: When in Full Screen Mode, this key is use for settings. When in PIP Mode, this is use to move the PIP screen in conjunction with the CH+/- keys to move PIP screen high and low, and with the VOL +/- keys to move the PIP screen right and left

13. EXIT: Exit form current Menu setting.

14. PIP: Enter into PIP mode.

15. MODE: When in PIP Mode: MODE key is use to change the PIP screen display size. When in Full Screen Mode: MODE key is use to change the HDTV1080P resolution settings.

16. MULTI-DISPLAY: Multi-picture display. Displays up to 16 video Windows.

17. SKIP: Skip / No skip current TV channel.

18. SLEEP: Set to Sleep timer and Off Sleep.

19. SYS: N/A

20. OSD: On Screen Display

4.3 How to use the OSD Display Menu

In this section the ENXTV-X3 Main Menu and its operations will be discussed here.

⚠	TV mode must be in Full Screen Mode.

- Press the **MENU** button from the remote control to get to this screen.

- Use the **CH+/CH-** keys to move the cursor to the desired item (Left and Right).
- Use the **VOL+/VOL-** keys to move the highlights down to every sub menus and use **CH+**/**CH-** keys to select.
- Use the **EXIT** key returns to previous setting menu or exit from the main menu.

⚠	If there is no activity within 5 seconds, the OSD menu display will hide automatically

4.4 OSD Display MENU Settings

■ **PICTURE:**

BRIGHTNESS: Sets screen brightness

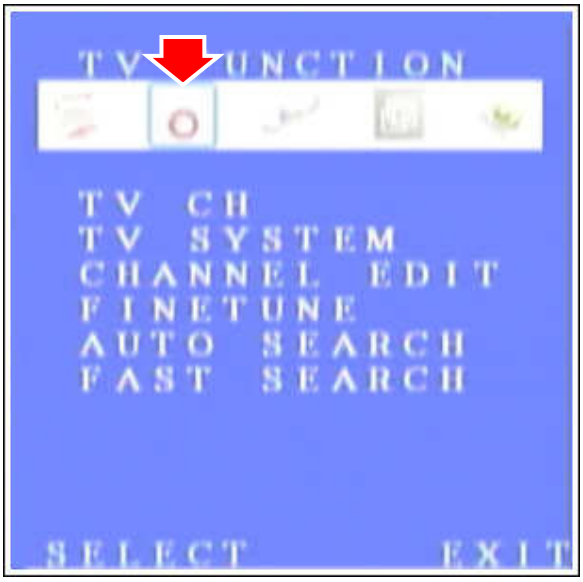
CONTRAST: Sets screen contrast

SATURATION: Sets saturation

TINT: Sets color hue

SHARPNESS: Sets sharpness

RESET: Return to the default setting



■ **TV FUNCTION:**

TV CH: Display current TV channel

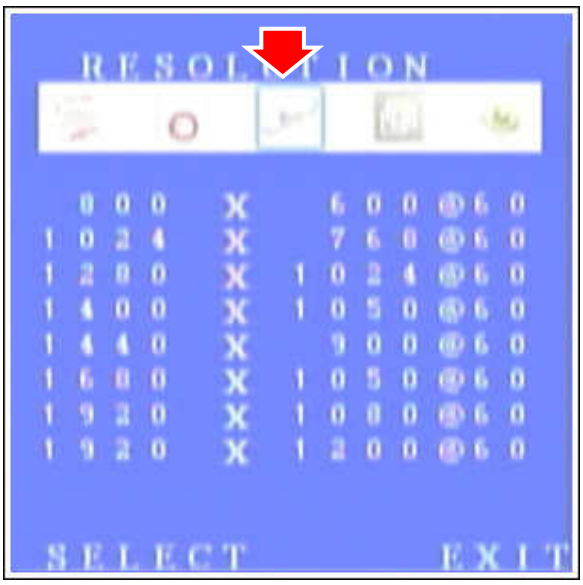
TV SYSTEM: TV signal type

CHANNEL EDIT: Change the current channels sequence list

FINETUNE: Adjust current TV signal quality

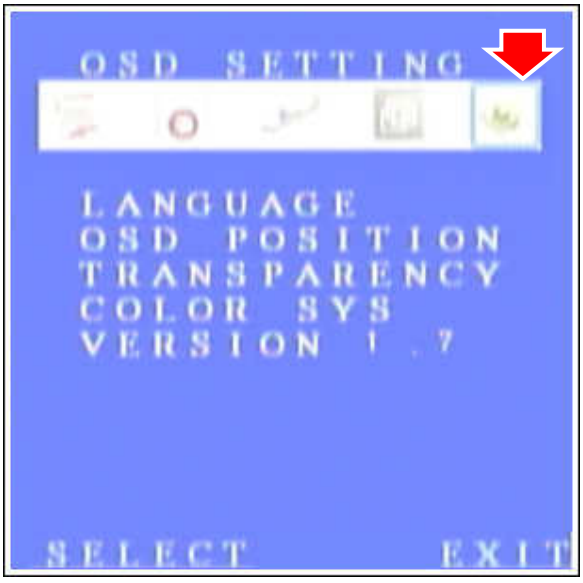
AUTO SEARCH: Auto process of scanning TV signal by frequency

FAST SEARCH: Auto process of scanning TV signal by TV channel table



■ **RESOLUTION:**
800x600, 1024x768, 1200x1024, 1400x1050, 1440x900, 1680x1050, 1920x1080 and 1920x1200

■ **INPUT SOURCE:**
TV, VIDEO, SVIDEO and YPBPR



■ **OSD SETTING:**

LANGUAGE: OSD menu language selection: Chinese and English

OSD POSITION: Adjust OSD Horizontal / vertical position

TRANSPARENCY: Adjust OSD background transparency

COLOR SYSTEM: Selection the TV standard

VERSION: Show the firmware version

Chapter 5: Tech Support Center

Please visit our website for the latest updates and support information at www.encore-usa.com.

International Support Hotlines

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